

ABSTRACT

A waste disposal and recovery system for disposal of expanded polystyrene foam and recovery of a usable resin. The system includes a first tank and a second tank in flow communication. Within the second tank may be a plurality of settlement compartments with a filtration system. An organic solvent is used to dissolve the expanded polystyrene foam which forms a waste solution. The waste solution is directed to the second tank where it is separated into resin and the organic solvent. The solvent may be recycled for use in dissolving more expanded polystyrene foam while the resin may be removed for storage, shipment or sale.